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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/516,417	07/22/2005	Toshio Sasaki	XA-10234	5679
	7590 03/31/200 CKBRIDGE PC	EXAMINER		
1751 PINNACI SUITE 500	LE DRIVE	TRAN, THANH Y		
MCLEAN, VA	22102-3833		ART UNIT	PAPER NUMBER
			2892	
			NOTIFICATION DATE	DELIVERY MODE
			03/31/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ipdocketing@milesstockbridge.com sstiles@milesstockbridge.com

	Application No.	Applicant(s)				
	10/516,417	SASAKI ET AL.				
Office Action Summary	Examiner	Art Unit				
	THANH Y. TRAN	2892				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	lely filed the mailing date of this communication. (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on <u>02 </u> £	December 2004					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
,—	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>1-51</u> is/are pending in the application						
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected.						
· ·	7) Claim(s) is/are objected to. 8) Claim(s) <u>1-51</u> are subject to restriction and/or election requirement.					
o) Claim(s) 1-01 are subject to restriction and/or	election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ite				

DETAILED ACTION

Election/Restrictions

1. This application contains claims directed to the following patentably distinct species:

Species I: regarding a semiconductor device having a plurality of inner leads and a plurality of bonding wires are connected and arranged in a zigzag pattern (suggested claim 1).

Species II: regarding a semiconductor device having a plurality of inner leads and a plurality of electrodes are connected and arranged in a zigzag pattern (suggested claim 2).

Species III: regarding a semiconductor device having a first lead which is arranged between a plurality of inner leads and supplies the first potential to the first circuit section (suggested claims 3-10).

Species IV: regarding a semiconductor device having a first bus-bar and second bus-bar arranged along the direction where the first pad and the second pad are arranged; and a third bus-bar and fourth bus-bar arranged along the direction where the third pad and the fourth pad are arranged (suggested claims 11-22).

Species V: regarding a semiconductor device having a first ring-form bus-bar going around the outside of a chip containing the first and the second circuit sections; a second ring-form bus-bar going around the outside of the first ring-form bus-bar (suggested claims 23-26).

Species VI: regarding a semiconductor device having a first bus-bar arranged along the semiconductor chip and between the semiconductor chip and the first and second inner leads (suggested claims 27-30).

Species VII: regarding a semiconductor device having a first bus-bar arranged along the direction of the first row and between the semiconductor chip and the plurality of inner leads,

and supplied with the first potential; a second bus-bar arranged along the direction of the first row and between the semiconductor chip and the plurality of inner leads and supplied with the second potential (suggested claim 31).

Species VIII: regarding a semiconductor device having a first bus-bar, second bus-bar and third bus-bar arranged between the semiconductor chip and a plurality of inner leads (suggested claim 32).

Species IX: regarding a semiconductor device having a first ring-form bus-bar and second ring-form bus-bar arranged so as to surround the outer circumference of a chip containing the first and the second circuits sections (suggested claims 33-39).

Species X: regarding a semiconductor device having a pair of bus-bars arranged along the semiconductor chip, wherein the outer leads respectively coupled to the pair of the bus-bars are arranged adjacently (suggested claims 40-42).

Species XI: regarding a semiconductor device having a pair of bus-bars arranged along the semiconductor chip, wherein the outer leads coupled respectively to the pair of bus-bars are arranged on the opposite side with an outer lead electrically connected to the electrode (suggested claim 43).

Species XII: regarding a semiconductor device having a sheet-form chip mounting section connected to the semiconductor chip, and tape members that connect each of the head ends of the plurality of inner leads to the chip mounting section, wherein the chip mounting section is smaller than the main surface of the semiconductor chip (suggested claim 44).

Species XIII: regarding a semiconductor device having a sheet-form chip mounting section connected to the semiconductor chip, and tape members that connect each of the head

ends of the plurality of inner leads to the chip mounting section, wherein the chip mounting section is larger than the main surface of the semiconductor chip (suggested claim 45).

Species XIV: regarding a semiconductor device having a resin encapsulated material for encapsulating the semiconductor chip and the plurality of inner leads (suggested claims 46-51).

2. The species are independent or distinct because claims to the different species recite the mutually exclusive characteristics of such species. In addition, these species are not obvious variants of each other based on the current record.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, it appears that no claim is generic.

There is an examination and search burden for these patentably distinct species due to their mutually exclusive characteristics. The species require a different field of search (e.g., searching different classes/subclasses or electronic resources, or employing different search queries); and/or the prior art applicable to one species would not likely be applicable to another species; and/or the species are likely to raise different non-prior art issues under 35 U.S.C. 101 and/or 35 U.S.C. 112, first paragraph.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

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The election of the species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the election of species requirement, the election shall be treated as an election without traverse. Traversal must be presented at the time of election in order to be considered timely. Failure to timely traverse the requirement will result in the loss of right to petition under 37 CFR 1.144. If claims are added after the election, applicant must indicate which of these claims are readable on the elected species.

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the species unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other species.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to THANH Y. TRAN whose telephone number is (571)272-2110. The examiner can normally be reached on M-F (9-6:30pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thao X. Le can be reached on (571) 272-1708. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/T. Y. T./ Examiner, Art Unit 2892 /Thao X Le/ Supervisory Patent Examiner, Art Unit 2892